

IN THE CLAIMS:

1-9 (cancelled).

10. (previously added) A motor vehicle sensor system for detecting an outer environment, the sensor system comprising:

at least two camera systems operable to image the outer environment; and

wherein each camera system operates in a different spectral region and is

adjusted to a different focal distance.

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11. (previously added) The sensor system according to claim 10, wherein one of said at least two camera systems is an infrared camera operating in an infrared range.

12. (previously added) The sensor system according to claim 10, wherein one of said at least two camera systems is a CCD camera.

13. (previously added) The sensor system according to claim 11, wherein another of said at least two camera systems is a CCD camera.

14. (previously added) The sensor system according to claim 12, wherein the CCD camera has a focal distance for detecting a close range.

15. (previously added) The sensor system according to claim 13, wherein the CCD camera has a focal distance for detecting a close range.

16. (previously added) The sensor system according to claim 14, wherein the focal distance of the CCD camera for the close range is adjusted to substantially correspond with a headlight cone range of a vehicle driven with its headlights on.

C3 17. (previously added) The sensor system according to claim 15, wherein the focal distance of the CCD camera for the close range is adjusted to substantially correspond with a headlight cone range of a vehicle driven with its headlights on.

18. (previously added) The sensor system according to claim 10, further comprising an analyzing device operatively coupled with said at least two camera systems and receiving inputs therefrom.

19. (previously added) The sensor system according to claim 18, wherein said analyzing device includes means for performing differential contrast evaluation.

20. (currently amended) The sensor system according to claim 18, further comprising:

a memory device in which is stored a visual range ~~module~~ model; and

a visual range determining device operatively coupled to the memory device, said visual range determining device operating to draw a conclusion with respect to a visual range from information from the analyzing device.

21. (previously added) The sensor system according to claim 20, wherein said information from the analyzing device is differential contrast evaluation information.

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22. (currently amended) The sensor system according to claim 19, further comprising:

a memory device in which is stored a visual range ~~module~~ model; and

a visual range determining device operatively coupled to the memory device, said visual range determining device operating to draw a conclusion with respect to a visual range from information from the analyzing device.

23. (previously added) The sensor system according to claim 22, wherein said information from the analyzing device is differential contrast evaluation information.

24. (previously added) A motor vehicle, comprising:

a vehicle body;
at least two camera systems arranged in a forward portion of the vehicle body for imaging areas in a traveling direction of the motor vehicle;
wherein each of said at least two camera systems has a different spectral operating region; and
further wherein each of said at least two camera systems is adjusted to a different focal distance in the traveling direction.

25. (previously added) The motor vehicle according to claim 24, wherein one of said at least two camera systems is an infrared camera operating in an infrared spectral region.

26. (currently amended) The motor vehicle according to claim ~~25~~ 24, wherein one of said at least two camera systems is a CCD camera.

27. (currently amended) The motor vehicle according to claim ~~26~~ 25, wherein another of said at least two camera systems is a CCD camera.

28. (currently amended) The motor vehicle according to claim ~~27~~ 26, wherein said CCD camera is adjusted to a focal distance corresponding with a headlight cone range of a headlight arranged in the forward area of the vehicle.

29. (currently amended) The motor vehicle according to claim ~~28~~ 27, wherein said CCD camera is adjusted to a focal distance corresponding with a headlight cone range of a headlight arranged in the forward area of the vehicle.

30. (previously amended) The motor vehicle according to claim 24, further comprising an analyzing device operatively coupled to said at least two camera systems, said analyzing device outputting a display signal.

31. (previously amended) The motor vehicle according to claim 30, further comprising a display arranged in an interior of the vehicle within a driver's viewing range, said display receiving the display signal from the analyzing device to provide environmental situation information to the driver.
